Title (en)
ENCODING DEVICE, DECODING DEVICE, ENCODING METHOD, AND DECODING METHOD

Title (de)
CODIERUNGSVORRICHTUNG, DECODIERUNGSVORRICHTUNG, CODIERUNGSVERFAHREN UND DECODIERUNGSVERFAHREN

Title (fr)
DISPOSITIF DE CODAGE, DISPOSITIF DE DÉCODAGE, PROCÉDÉ DE CODAGE ET PROCÉDÉ DE DÉCODAGE

Publication
EP 4030764 A4 20221123 (EN)

Application
EP 20863325 A 20200911

Priority
• US 201962898809 P 20190911
• JP 2020034573 W 20200911

Abstract (en)
[origin: US2022174305A1] An encoder includes circuitry and memory coupled to the circuitry. In operation, the circuitry encodes, per temporal sub-layer, one or more hypothetical reference decoder (HRD) parameters into an HRD-related supplemental enhancement information (SEI) message, the one or more HRD parameters being one or more parameters for an HRD, the one or more parameters being related to a decoding unit, the HRD-related SEI message being an SEI message related to the HRD.

IPC 8 full level
H04N 19/70 (2014.01); **H04N 19/105** (2014.01); **H04N 19/30** (2014.01); **H04N 19/423** (2014.01); **H04N 19/44** (2014.01); **H04N 19/46** (2014.01); **H04N 19/51** (2014.01)

CPC (source: EP US)
H04N 19/105 (2014.11 - EP US); **H04N 19/172** (2014.11 - US); **H04N 19/1883** (2014.11 - US); **H04N 19/30** (2014.11 - EP); **H04N 19/423** (2014.11 - EP US); **H04N 19/44** (2014.11 - EP US); **H04N 19/46** (2014.11 - EP US); **H04N 19/51** (2014.11 - EP); **H04N 19/70** (2014.11 - EP)

Citation (search report)
• [I] US 2014355692 A1 20141204 - RAMASUBRAMONIAN ADARSH KRISHNAN [US], et al
• [A] US 2014086332 A1 20140327 - WANG YE-KUI [US]
• [A] DRUGEON (PANASONIC) V: "AHG19: Signalling HRD models for HFR backwards compatible bitstreams", no. JVET-N0062, 12 March 2019 (2019-03-12), XP030202621, Retrieved from the Internet <URL:http://phenix.int-evry.fr/jvet/doc_end_user/documents/14_Geneva/wg11/JVET-N0062-v1.zip JVET-N0062.docx> [retrieved on 20190312]
• See also references of WO 2021049644A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 2022174305 A1 20220602; EP 4030764 A1 20220720; EP 4030764 A4 20221123; WO 2021049644 A1 20210318

DOCDB simple family (application)
US 202217673039 A 20220216; EP 20863325 A 20200911; JP 2020034573 W 20200911